

FIG. 1

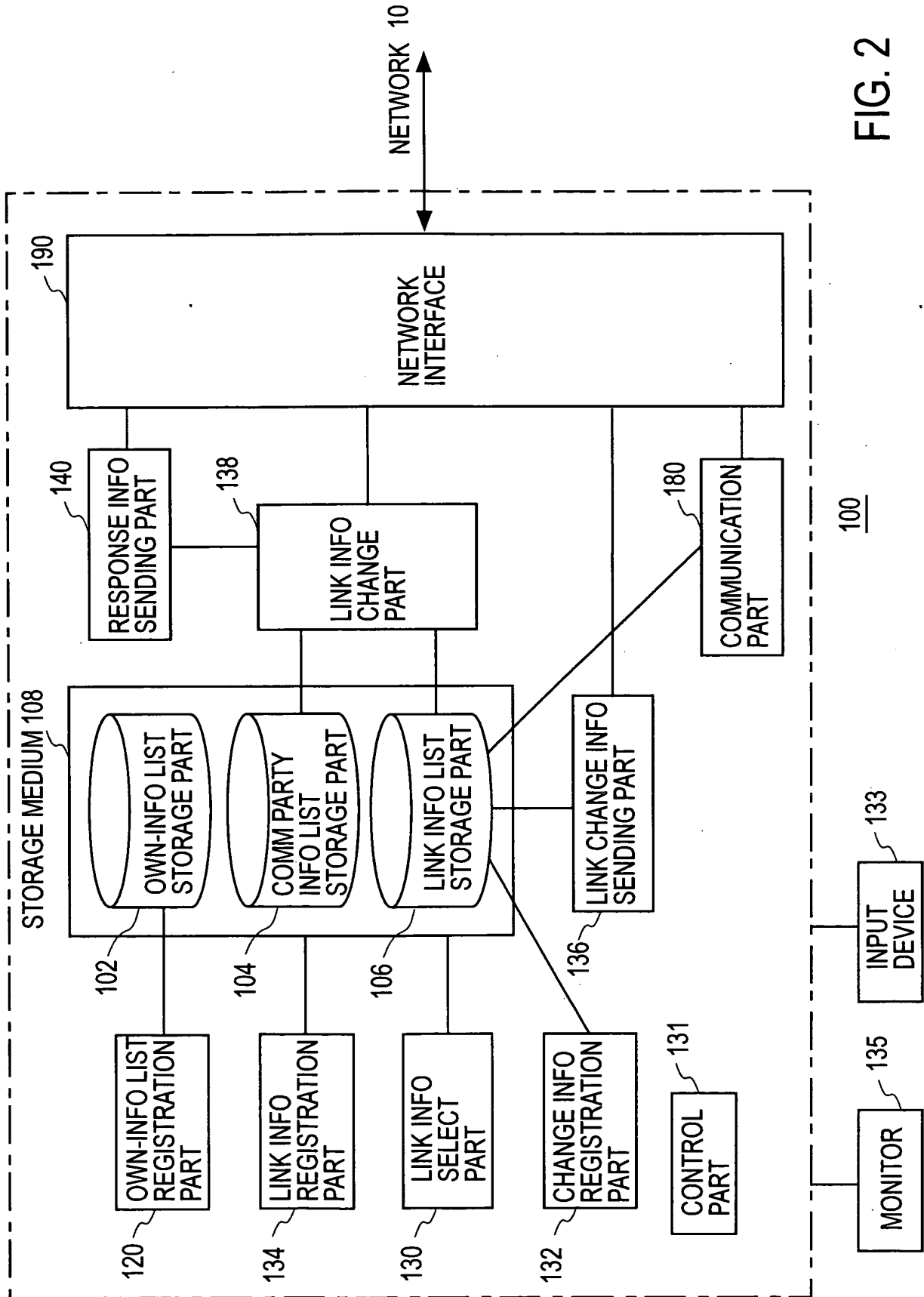


FIG. 2

FIG. 3A

OWN-INFORMATION LIST 310

NICKNAME (OWN) 312	ADDRESS (OWN) 314	USER ID INFO 316
BOB (WORK)	bob1@a.com	10000000
BOB (PRIVATE)	bob2@b.com	10000001
ANONYMOUS	tmp3@c.com	10000001
	⋮	

FIG. 3B

PROFILE INFORMATION LIST 320

NAME (SELF) 322	USER ID INFO 324	KEY INFO 326 (PUBLIC KEY) 328 (PRIVATE KEY)	
BOB A	10000000	PkA	SkA
BOB B	10000001	PkB	SkB
	⋮		

FIG. 4

COMMUNICATING PARTY INFORMATION LIST 410

PRESENTATION (PARTY) 412	ADDRESS (PARTY) 414	USER ID INFO 416	PUBLIC KEY (PARTY) 418
TOM (WORK)	tom@a.com	10000002	PkX
CHARLIE (PRIVATE)	charlie@b.com	10000003	PkY
ALICE (PRIVATE)	alice@b.com	10000004	PkZ
	⋮		

FIG. 5A

LINK INFORMATION LIST 510

NICKNAME (LINK) 511 S	ADDRESS (PARTY) 512 S	ADDRESS (OWN) 514 S	CHANGE INFO 516 S	PROCESS INFO 518 S
TOM	tom@a.com	bob1@a.com	—	PROCESS INFO 1
CHARLIE	charlie@b.com	bob2@b.com	—	PROCESS INFO 2
ALICE	alice@b.com	bob2@b.com	bob1@a.com	PROCESS INFO 2
ALICE (FOR TEMPORARY USE)	alice@b.com	tmp3@c.com	—	PROCESS INFO 2
CHARLIE (WORK)	charlie@b.com	—	bob1@a.com	PROCESS INFO 2
TOM (OFFICE)	tom@a.com	bob2@b.com	bob1@a.com	PROCESS INFO 2
⋮				

FIG. 5B

SCRIPT LIST 520

PROCESS INFORMATION 1	AUTHENTICATE COMMUNICATING PARTY UPON RECEIVING COMMUNICATION INFORMATION MOVE RECEIVED COMMUNICATION INFORMATION TO FOLDER A ADD AUTHENTICATION INFORMATION WHEN SENDING COMMUNICATION INFORMATION
PROCESS INFORMATION 2	MOVE RECEIVED COMMUNICATION INFORMATION TO FOLDER B RETAIN SENT COMMUNICATION INFORMATION IN FOLDER C
⋮	

FIG. 6

TYPE OF MESSAGE

ADDRESS (PARTY)

ADDRESS BEFORE
MODIFICATION (OWN)MODIFIED ADDRESS
(OWN)

A OWN ADDRESS MODIFICATION

m	alice@b.com	bob2@b.com	bob1@a.com
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B DELETION OF LINK
INFORMATION

ADDRESS (PARTY)

ADDRESS BEFORE
MODIFICATION (OWN)MODIFIED ADDRESS
(OWN)

m	alice@b.com	bob2@b.com	*
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C LINK INFORMATION
REGISTERING

ADDRESS (PARTY)

ADDRESS BEFORE
MODIFICATION (OWN)MODIFIED ADDRESS
(OWN)

m	charlie@b.com	-	bob1@a.com
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D RESPONSE TO OWN ADDRESS
MODIFICATION (PERMIT)

ADDRESS (PARTY)

ADDRESS BEFORE
MODIFICATION (OWN)MODIFIED ADDRESS
(OWN)

a	alice@b.com	bob2@b.com	bob1@a.com
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E RESPONSE TO LINK INFO
REGISTERING (PERMIT)

ADDRESS (PARTY)

ADDRESS BEFORE
MODIFICATION (OWN)MODIFIED ADDRESS
(OWN)

a	charlie@b.com	-	bob1@a.com
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F RESPONSE TO LINK INFO
REGISTERING (REJECT)

ADDRESS (PARTY)

ADDRESS BEFORE
MODIFICATION (OWN)MODIFIED ADDRESS
(OWN)

d	charlie@b.com	-	bob1@a.com
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G ADDITIONAL INFORMATION

NAME

USER ID INFORMATION

PUBLIC KEY

i	BOB (PRIVATE)	10000001	PkB
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FIG. 7

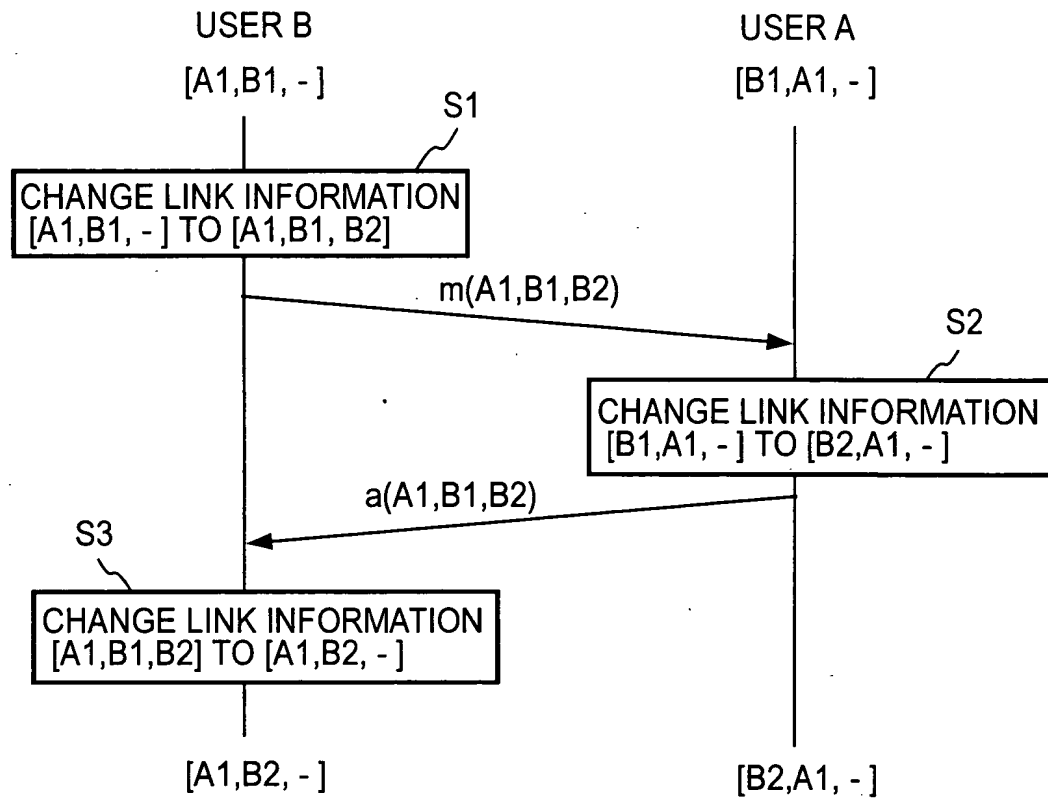


FIG. 8

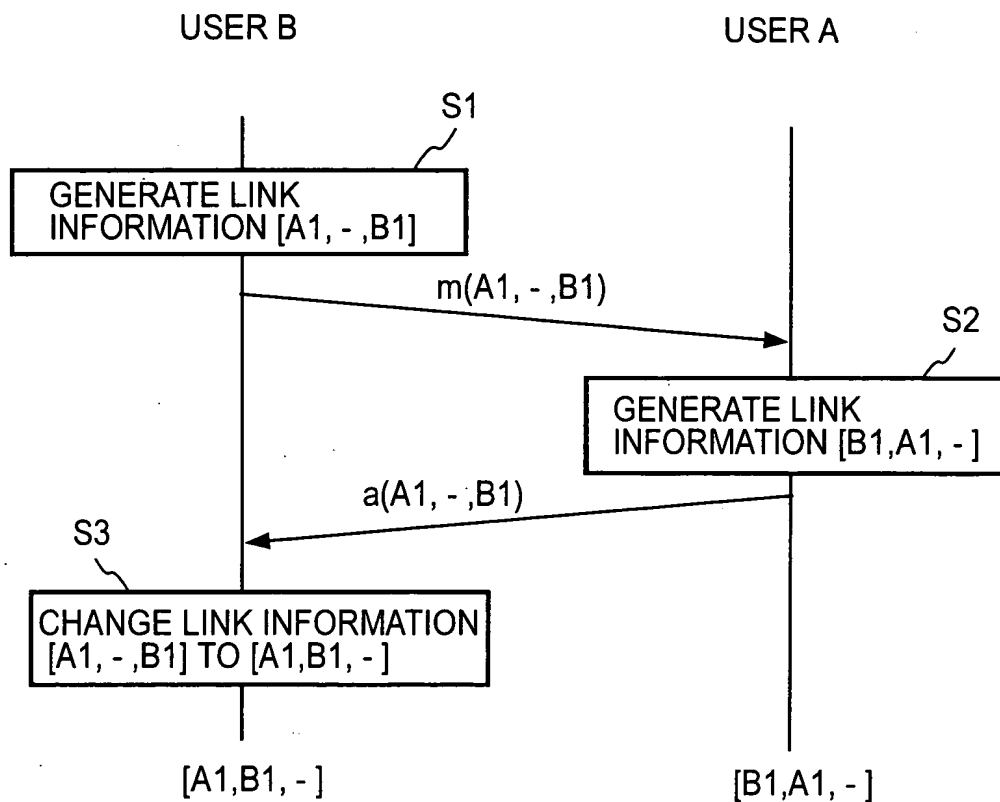


FIG. 9

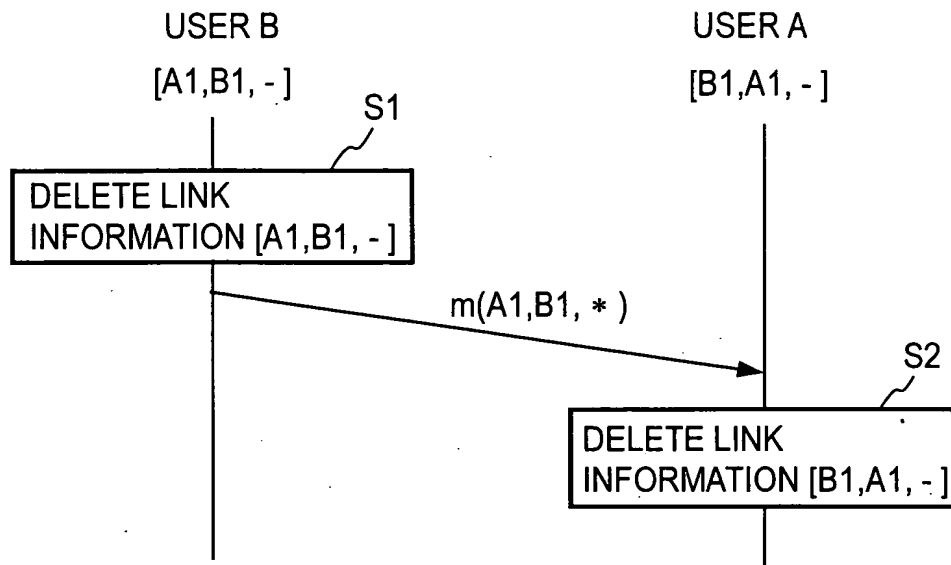


FIG. 10

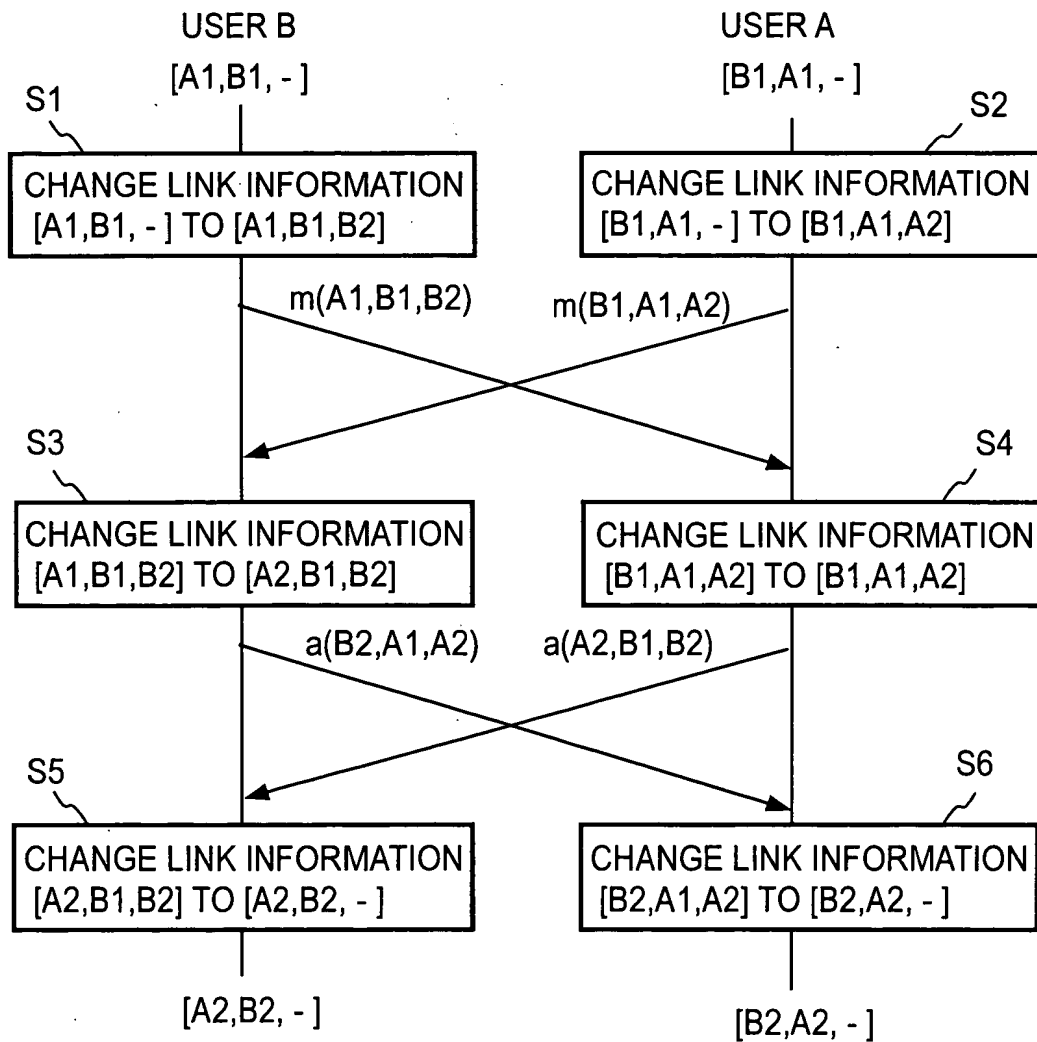


FIG. 11

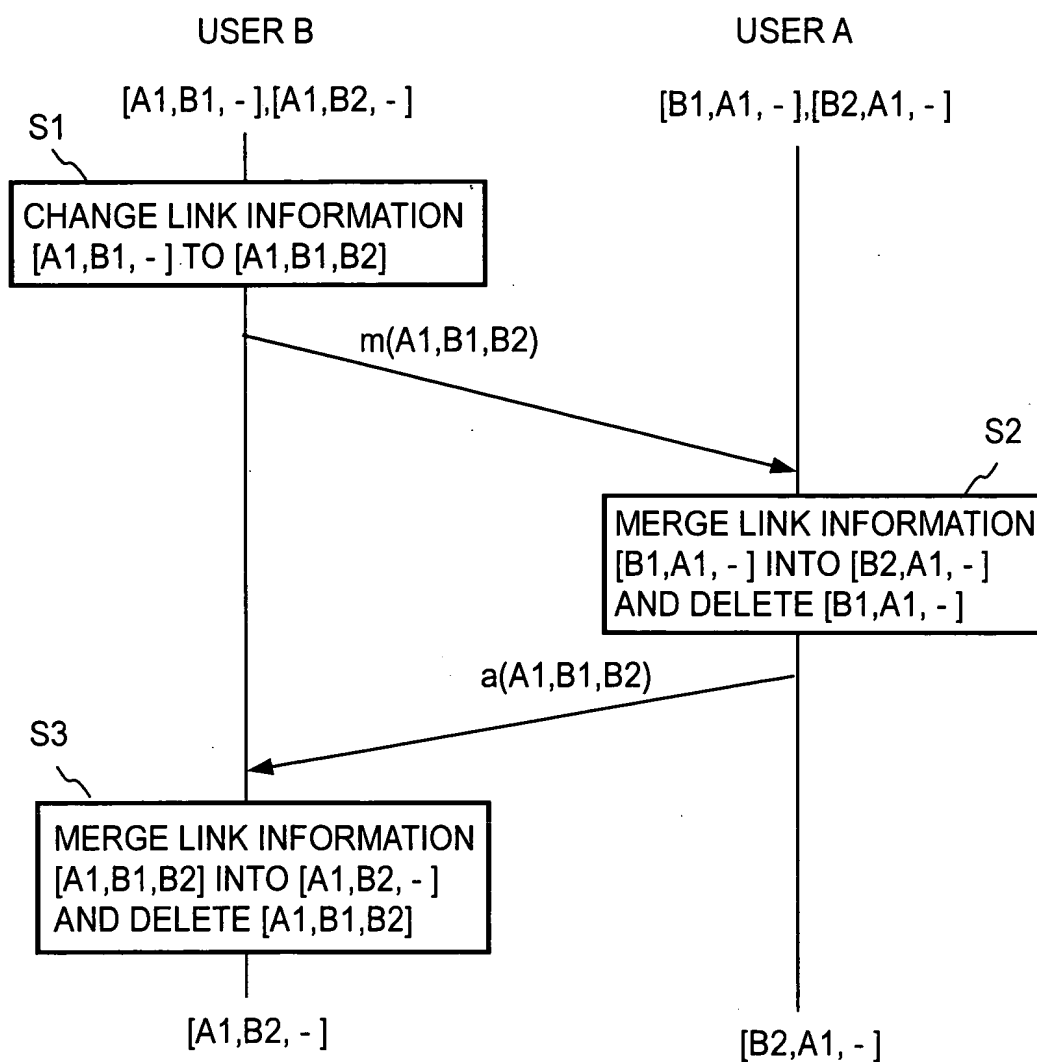


FIG. 12

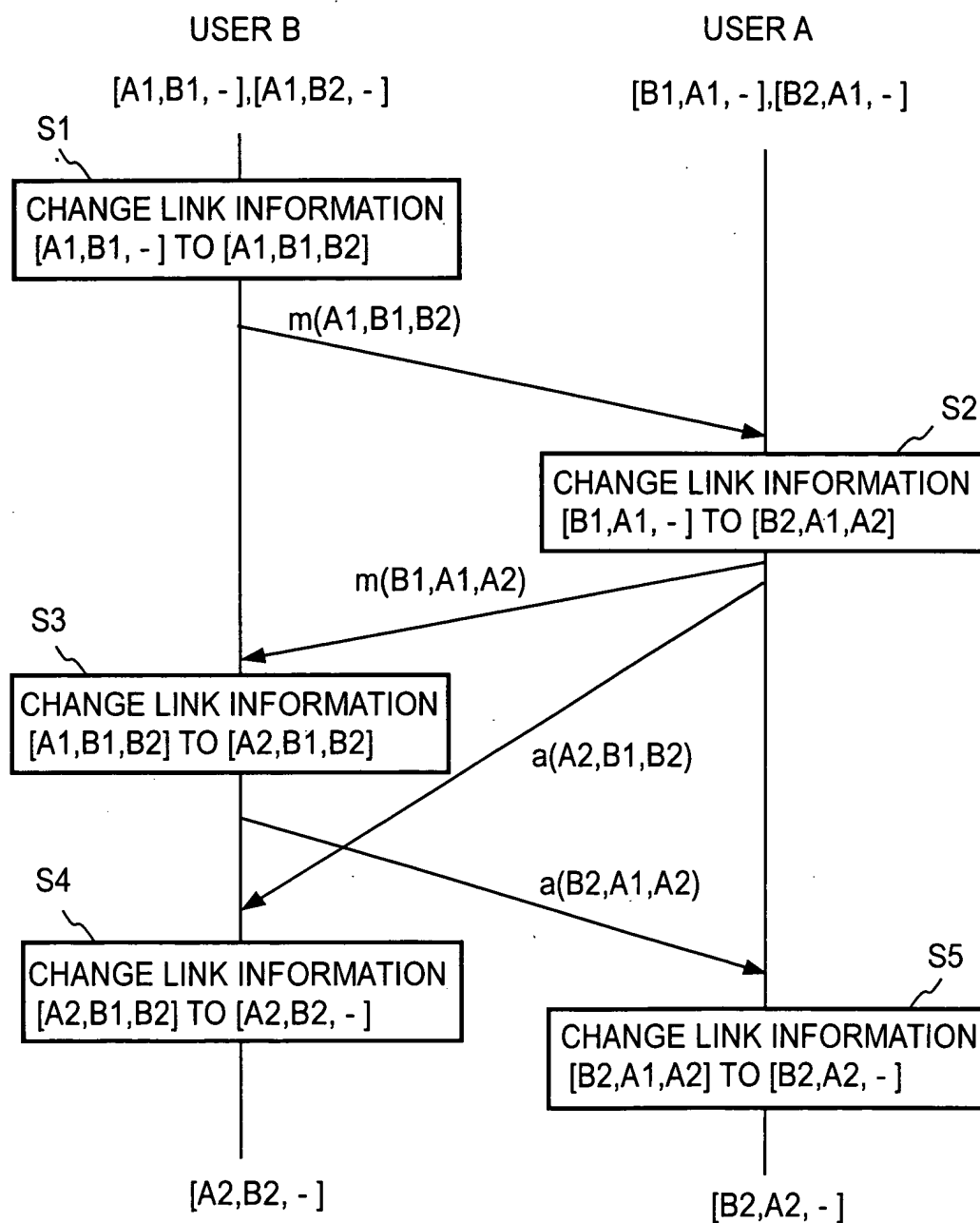


FIG. 13

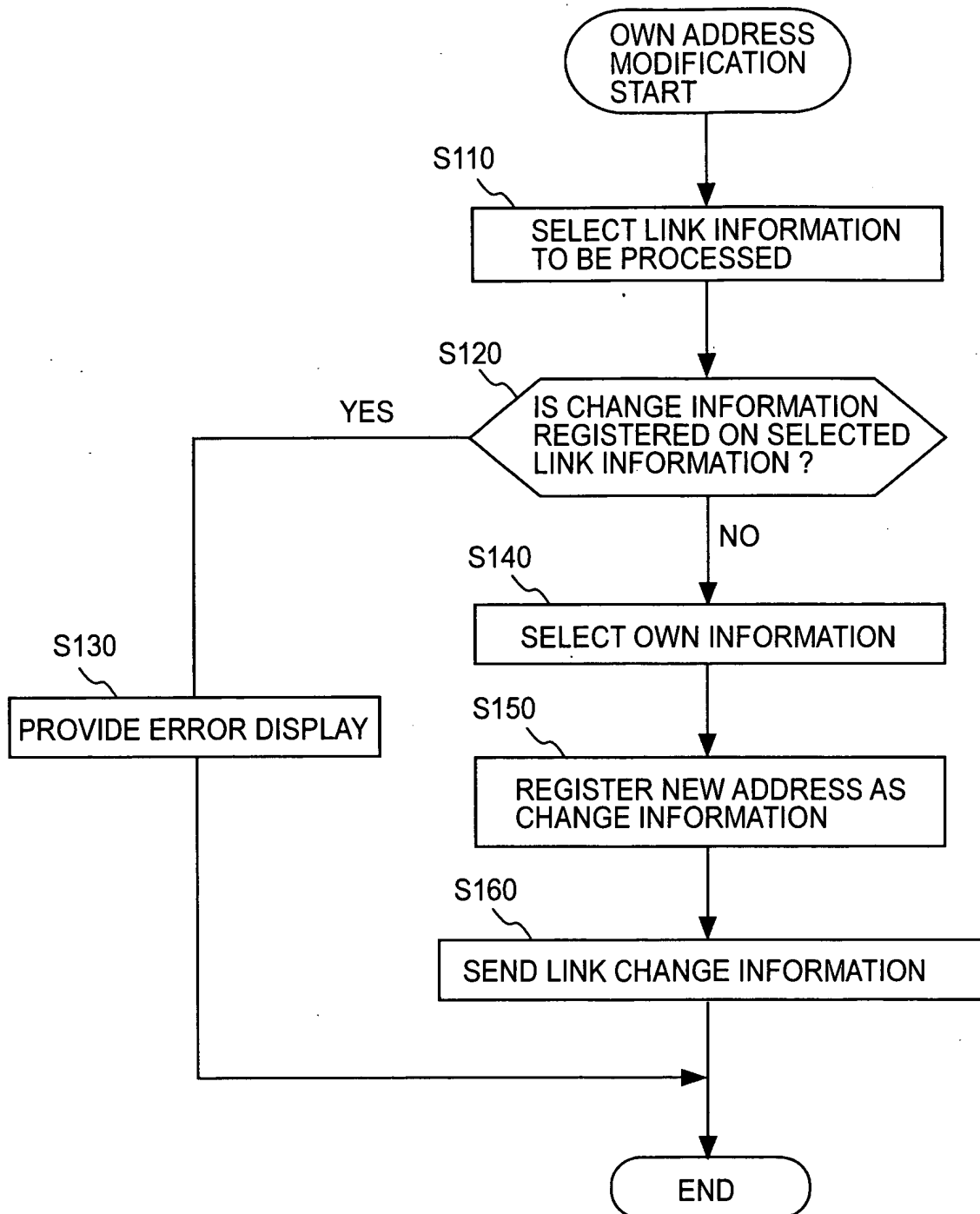


FIG. 14

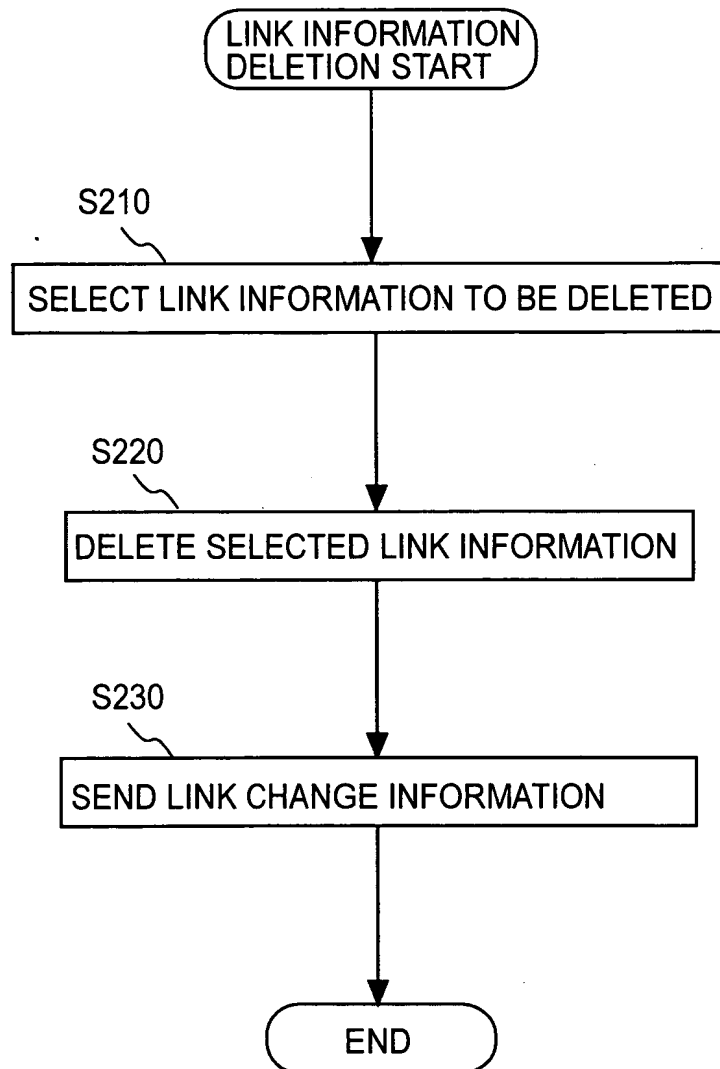


FIG. 15

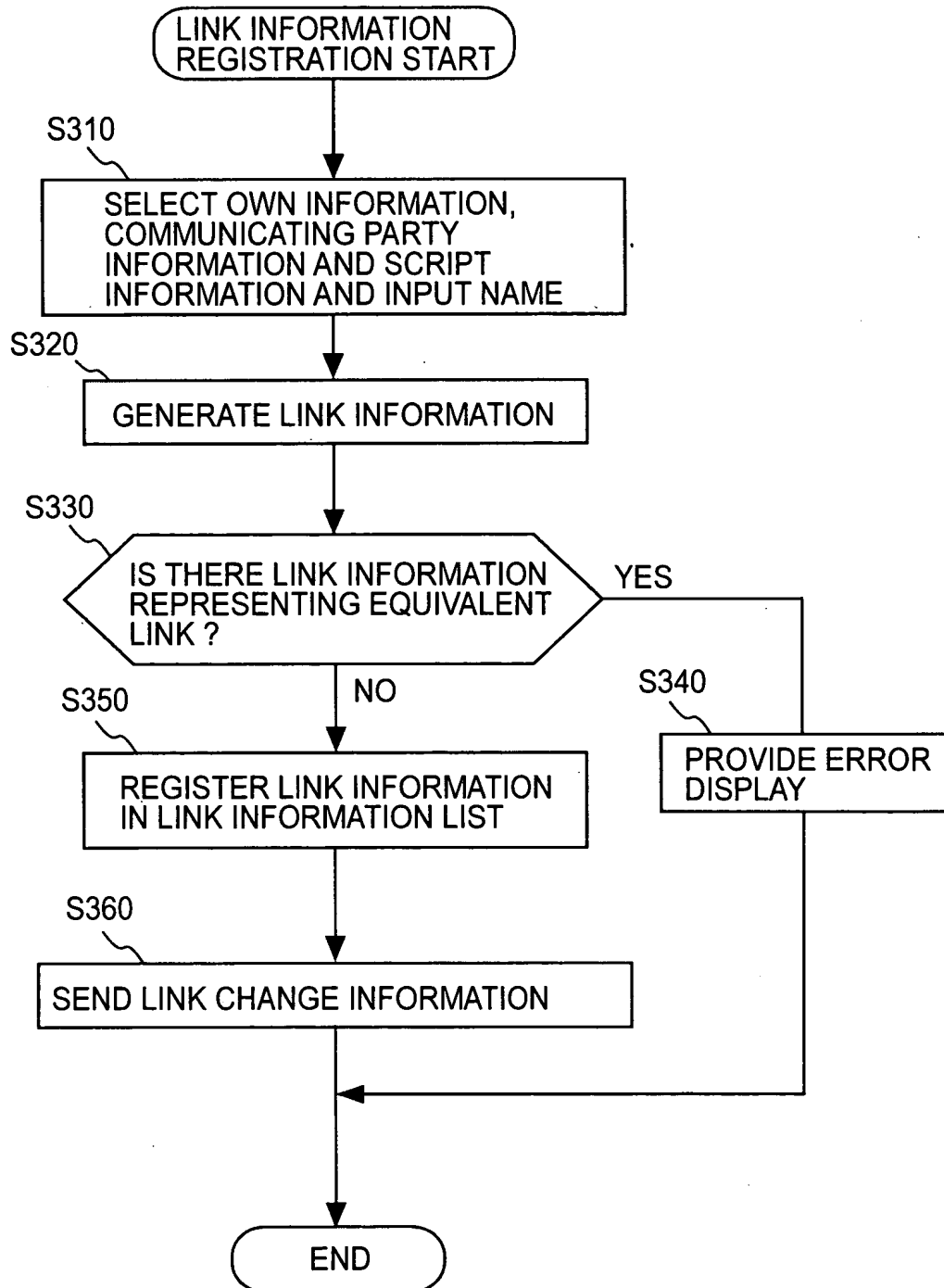


FIG. 16

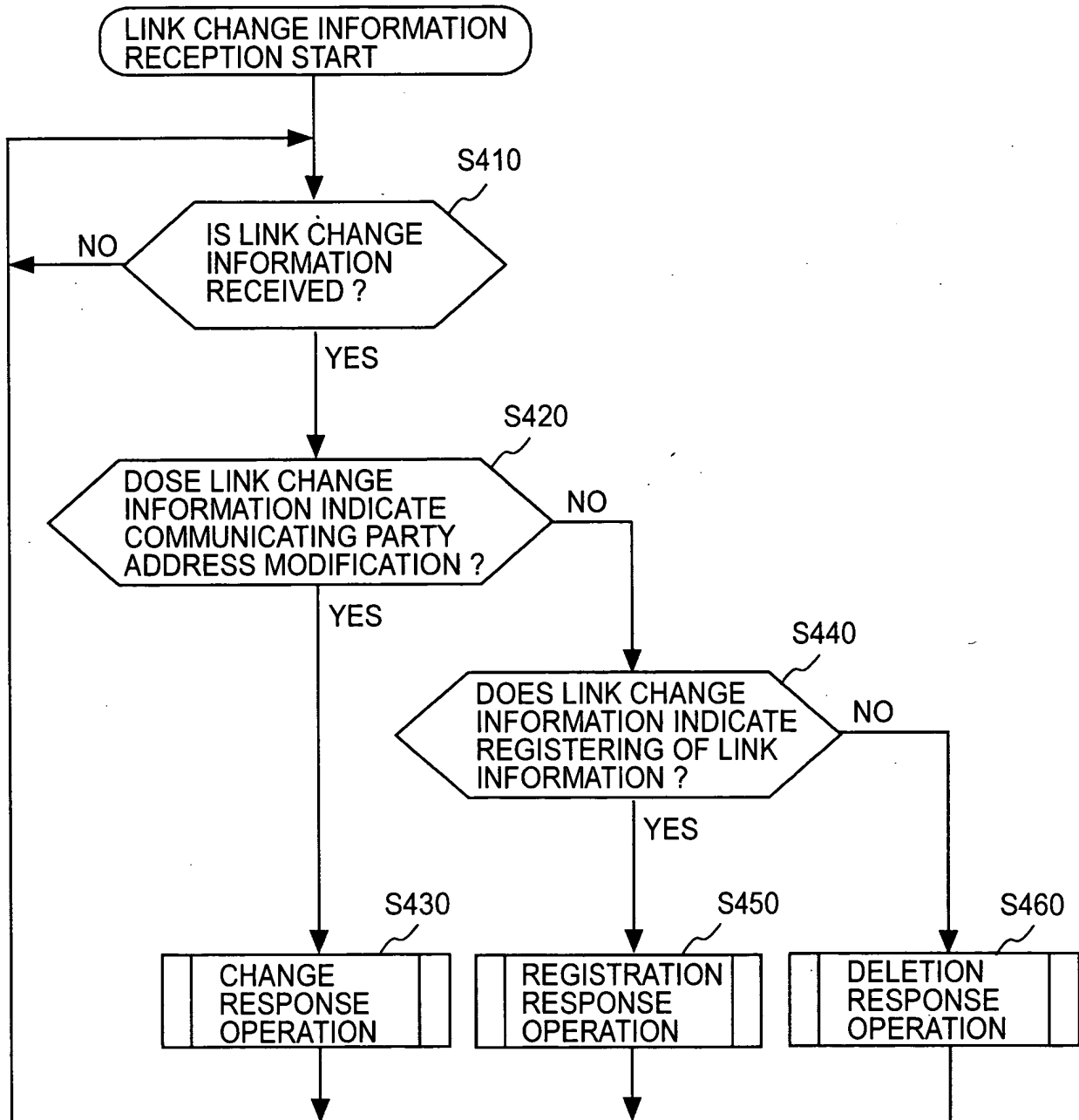


FIG. 17

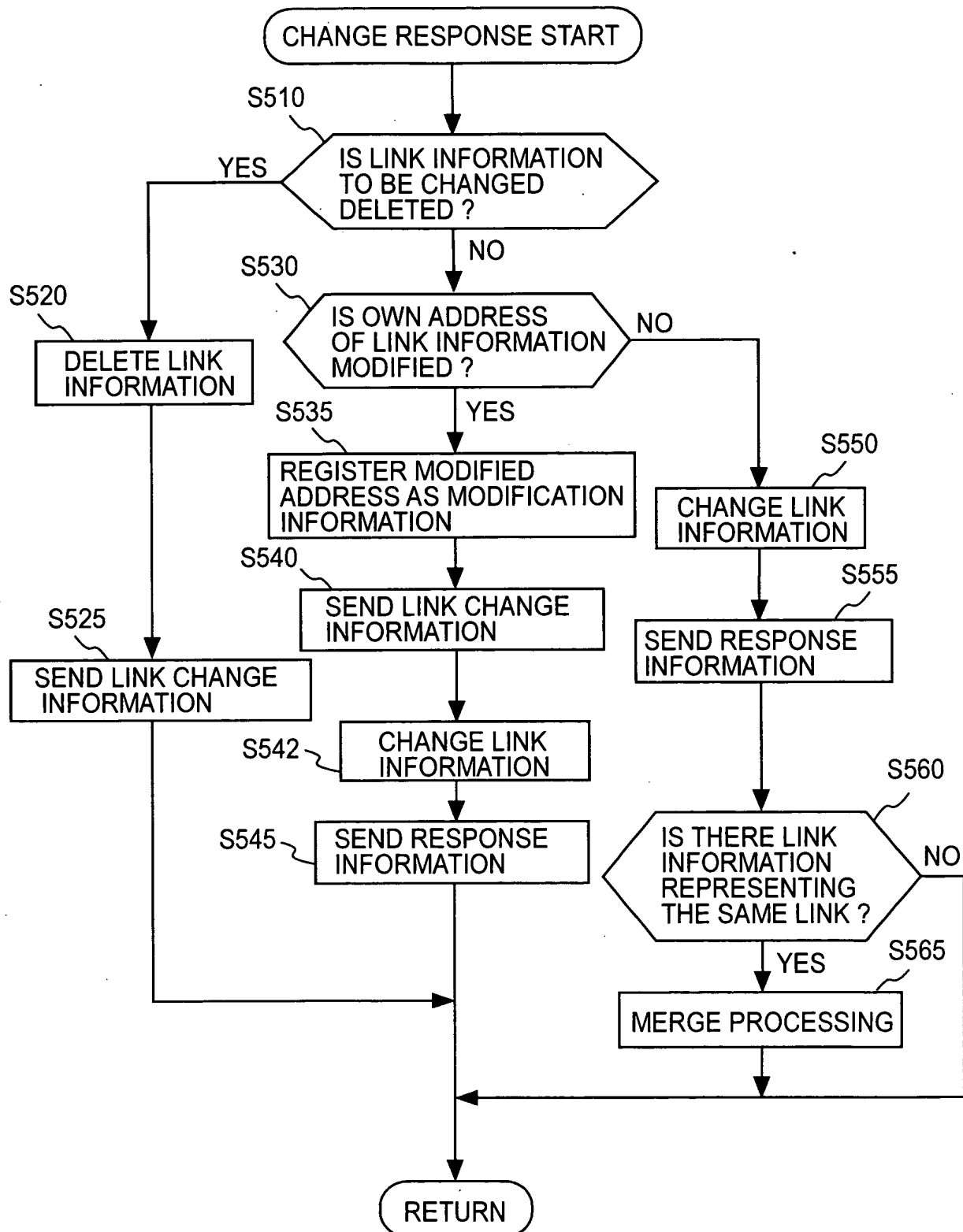


FIG. 18

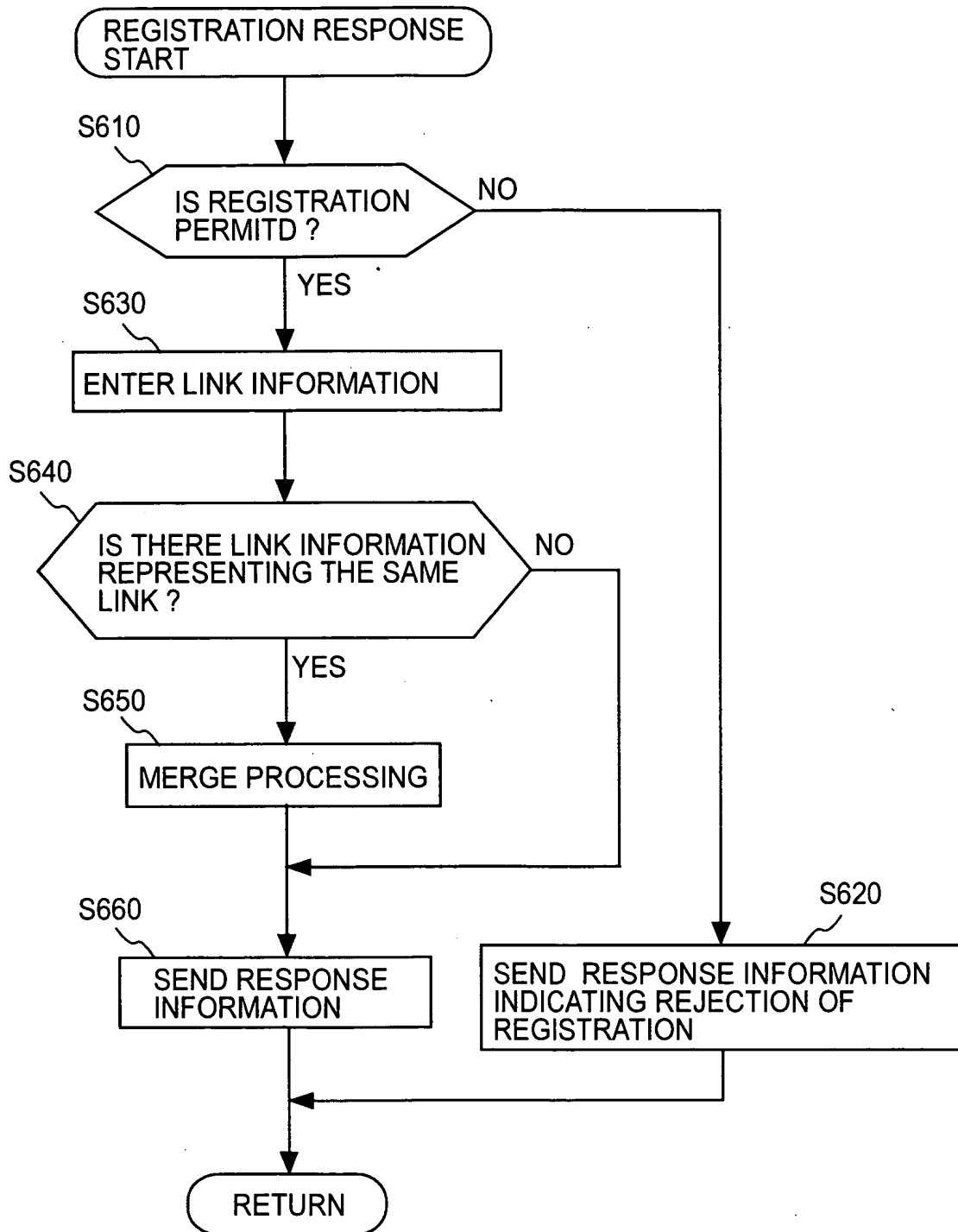


FIG. 19

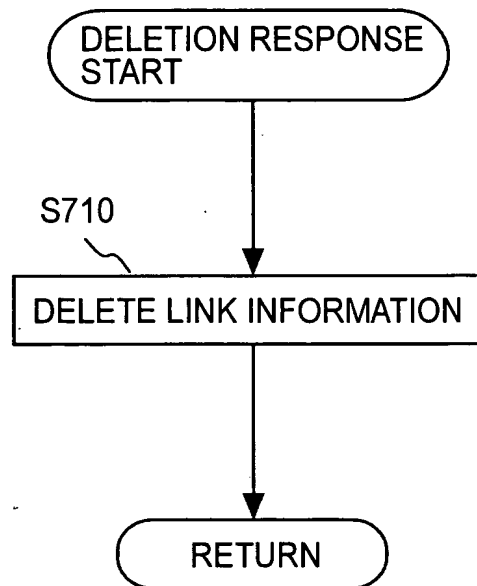


FIG. 20

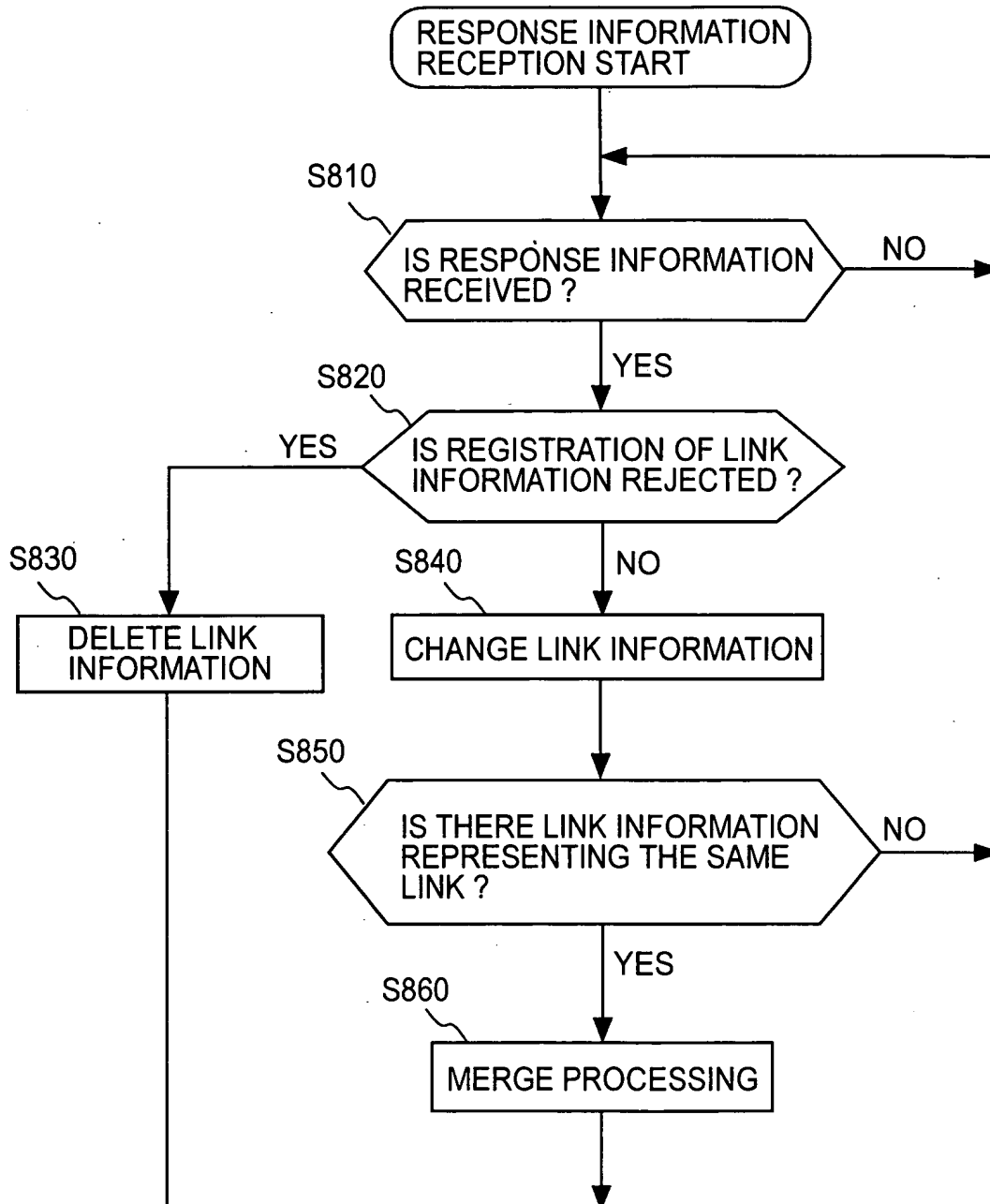


FIG. 21

